

CASING PIPE REQUIREMENTS						
CARRIER PIPE DIA.	MINIMUM CASING PIPE DIA.	MINIMUM WALL THICKNESS				
		CRITERIA WITHIN RAILROAD RIGHT OF WAY		CRITERIA WITHIN CITY OR VDOT RIGHT OF WAY		MINIMUM NUMBER OF CASING SPACER RUNNERS
		R.C.P. PROTECTIVE COATING	STEEL WITH PROTECTIVE COATING	R.C.P.	STEEL	
4"	12"	3.0	0.375	3.0	0.250	4
6"	18"	3.0	0.375	3.0	0.250	4
8"	18"	3.0	0.375	3.0	0.250	4
10"	20"	3.0	0.375	3.0	0.250	4
12"	24"	3.5	0.375	3.5	0.250	4
16"	30"	4.0	0.500	4.0	0.375	6
18"	30"	4.0	0.500	4.0	0.375	6
20"	36"	4.5	0.563	4.5	0.375	6
24"	42"	5.0	0.625	5.0	0.500	6

NOTES:

1. SLOPE CASING PIPE AT MINIMUM GRADE OF 1/16" PER FOOT.
2. PROVIDE LEAK DETECTION PER DETAIL.
3. OPTION 1 OR OPTION 2 AT DISCRETION OF ENGINEERING.
4. INCREASING THICKNESS OF CASING MUST BE CONSIDERED WHERE BORE LENGTHS EXCEED 125 FEET.

CITY OF NORFOLK – DEPARTMENT OF UTILITIES  
STANDARD DETAILS

SCALE:  
NOT TO SCALE

WATER & FM CASING REQUIREMENTS

DRAWING NO.  
CWS 07C

DATE: 07/07